



SAN DIEGO ASSOCIATION OF GEOLOGISTS

1993 EXECUTIVE COMMITTEE

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PLEASE MAKE RESERVATIONS BY MONDAY, JUNE 14!!

MEETING NOTICE WEDNESDAY, JUNE 16, 1993

SPEAKER: Hans Van De Vrugt

TOPIC: Site Effects on Earthquake Strong Ground Motion in San Diego

PLACE: Tickled Trout
Ramada Inn
2151 Hotel Circle South
San Diego
291-6500

TIME: 6:00-Social Hour
7:00-Dinner
8:00-Program

DINNER: Baked Chicken, Rice Pilaf, Salad, Vegetable Du Jour, Rolls, Chocolate Kahlua Nut Crunch Cake, and Beverage

COST: \$16.00 (Please make checks payable to SDAG)

RESERVATIONS REQUIRED! by noon Monday, June 14. Please phone in your reservation ASAP to the receptionist at P&D TECHNOLOGIES, (619) 232-4466. Please call P&D if you need to cancel your reservation. If you have special diet requirements (ie. vegetarian), please contact Lyne Perry (445-3928).

Local geological conditions are known to have a first order effect on earthquake strong ground motion. Ground motion amplifications, resulting from the presence of unconsolidated sediments, played an instrumental role in the destruction of structures in the Marina District of San Francisco during the 1989 Loma Prieta earthquake. In order to evaluate site effects controlled by local geology, a portable seismic array consisting of six digital seismometers was deployed. The seismograph stations were chosen to include various types of geology such as crystalline rock and sedimentary formations, as well as alluvial soils. Ground motions were recorded from local and distant earthquake events. This data was then processed to evaluate the respective site response.

Mr. Van de Vrugt's research is being conducted under the advisement Steven Day and Harold Magistrale, at San Diego State University. He was the recipient of the SDAG 1992 Graduate Scholarship, and is currently employed at Ninyo & Moore Geotechnical Consultants as Senior Staff Geologist.

DUE TO NUMEROUS REQUESTS BY OUR MEMBERS, SMOKING WILL NOT BE PERMITTED IN THE MEETING ROOM. YOUR COOPERATION WILL BE APPRECIATED.

ANNOUNCEMENTS:

1. SDAG wishes to thank Group Delta Consultants, Daryl Streiff, Hargis+Associates, PSI, Inc., Gallagher Drilling, Converse Consultants West, Southland Geotechnical Consultants, Bill Elliott, TEG, John Minch and Associates, Allied Geotechnical Engineers, Pacific Soils, Tony V. Sawyer, GeoTech Imagery, IT Corporation, and Robertson Geotechnical for 1993 Corporate Sponsorships. SDAG is still looking for other corporate sponsors to help in our yearly expenses. Corporate contributions are used to sponsor students at our monthly meetings and to upgrade our equipment, etc. If you or your company would like to become a corporate sponsor and be recognized in our SDAG newsletter, directory, and at the following month's meeting, send a minimum \$100 contribution to SDAG c/o Phil Rosenberg.

2. **MEMBERS NEEDED:** SDAG membership is down in comparison to previous years. If you know any prospective members or former members that have not yet renewed, please convince them to join now.

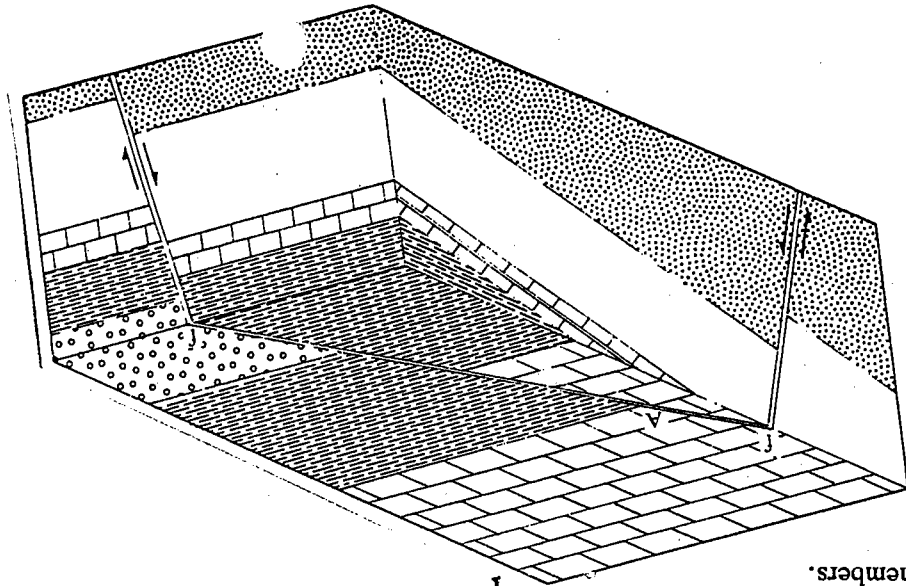
3. Call for Papers-The 1993 San Diego Association of Geologists annual Field Trip is scheduled for November 6 and 7, and will visit the Colorado Desert/Saltion Trough area. If you are interested in submitting a paper regarding the geology or natural history in or adjacent to the field trip area please contact the SDAG field trip coordinator, Joe Coronas at the City of San Diego Waste Management Department, 4950 Murphy Canyon Road, Suite 101, San Diego, CA 92123-4325, phone: (day) 619-492-5034/(night) 619-484-3582.

4. Buy SDAG Publications. SDAG has an extensive inventory of publications for sale. Many of these make good reference materials on local geology, and are very reasonably priced.

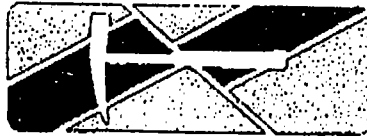
5. Deadline for announcements to be included in the July Newsletter is June 25. Please submit your items to Phil Rosenberg at R&D Technologies, FAX (619) 234-3022.

6. The July meeting will be a joint meeting with the Inland Empire Geologic Society and the Association of Engineering Geologists, and will be held on Thursday, July 15 at the Temecula Creek Inn. Speakers will be Dr. James Slosson and Mark Bergman.

7. An informal survey is being conducted to evaluate the range of Maximum Probable and Credible earthquake magnitudes presented in predisgn reports by geotechnical engineering and engineering geology consultants. If you or your firm would like to participate, please contact Phil Rosenberg (232-4466). The results will be made available to all SDAG members.



SDSU



GEOLOGY ALUMNI

THE ANNUAL SDSU GEOLOGY ALUMNI ASSOCIATION

DEL MAR FAIR EXHIBIT

You are invited to participate in the Annual Del Mar Fair Exhibit. We need lots of bodies to man the booth. This should be the best year yet!! We will be in a prime location in the new building. Last year was a great success because of all the volunteers. Our booth was manned 90% of the time. This is a great way to let people know about geology, and to see what the Department of Geological Sciences at SDSU has to offer.

Free advertising!!

We will again have the Mission Bay Fault Model and numerous geology maps to look at. We will have hands on rock samples which are very popular. We hope again to have a T.V. monitor available for public viewing of geologic events. There will be books and maps for sale.

Each volunteer will receive 2 tickets for admission. The dates of the fair are June 15 through July 4, 1993 from 10:00am to 10:00pm. The shifts will be from 10:00 to 1:00, 1:00 to 4:00, 4:00 to 7:00, and 7:00 to 10:00. You can sign up for as many shifts as you like.

Please call Leslie at the Department Office 594-5586 as soon as possible. This is a very exciting event and our volunteers usually have lots of fun answering geology questions asked by the visitors to the exhibit.

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